CITY OF MIDDLETOWN

BID #2016-019 LABORATORY TESTING SERVICES

Date Issued: August 12, 2016

ALL BIDDERS ARE HEREBY ADVISED OF THE FOLLOWING INFORMATION AND/OR MODIFICATIONS TO THE CONTRACT BID DOCUMENTS:

REVISED BID PROPOSAL PAGES

Clarification to both, Quantities & Frequency of Specific Tests in "Category VIII – Waste Water Analysis"

INVITATION TO BID

The date set for the receipt of proposals will remain the same.

Friday, April 19, 2016, at 11:00 AM

PLEASE VERIFY THAT YOU HAVE RECEIVED THIS NOTIFICATION IN THE SPACE BELOW AND FAX OR EMAIL THIS PAGE BACK TO THE PURCHASING DEPARTMENT.

All bidders are hereby advised of the following amendments to the contract bid documents which are hereby made an integral part of the specifications for the subject project, prepared by the City of Middletown to the same extent as all other documents. All work shall conform to the standards and provisions of same. Bids submitted shall be deemed to include contract document information as shown in Addendum No. 1. General bidders shall notify sub-bidders that may be affected by this addendum as applicable. Bidders shall be required to acknowledge receipt of this addendum in the space provided on the Bid Proposal Form.

Failure to acknowledge receipt of this addendum by the bidder may result in the rejection of their bid. Bidders are directed to review changes to all portions of the work as changes to one portion may affect the work of another.

Total Addendum: pages 13

***BIDDER NOTE: If you have already submitted a bid you shall be required to acknowledge receipt of this addendum under separate cover in a sealed envelope clearly marked with the bid number and description. This acknowledgment must be received by the time and date specified to be accepted by the City.

Donna L. Imme, CPPB
Supervisor of Purchases

ADDENDUM #1 **REVISED BID PROPOSAL PAGES**

BID #2016-019 **LABORATORY TESTING SERVICES** WATER AND SEWER DEPARTMENT

BID PROPOSAL PAGE

Written Figures

Issue Date: <u>07/28/2016</u> Re	ply Date:⇒ Friday, August 19, 2016 at 11:00 AM					
To: Supervisor of Purchases City of Middletown Room 112, Municipal Building 245 DeKoven Drive Middletown, CT 06457						
We the undersigned have examined the contract documents inclusive of the information to bidders, technical specifications and related documents and propose and agree to contract with the City of Middletown, in the form of an agreement, to provide all materials, equipment and labor necessary to complete laboratory testing services as required at the per unit costs detailed here-in for a contract term of twenty-four (24) months to commence September 1, 2016 and terminate August 31, 2018. Unit pricing for the items that follow shall be fixed for the duration of the contract.						
THE BID MUST BE SIGNED BY TH	HE BIDDER TO BE ACCEPTED					
COMPANY NAME	SIGNATURE AND TITLE					
BIDDER acknowledges receipt of the following ADDENDA, if applicable:						
□ No. 1 Date: □ No. 2 Date:						
State Delivery:						

SUBMITTALS REQUIRED: Bidder Please check and attach to Proposal Form.

(in calendar days)

PERCENTAGE DISCOUNT OFF PUBLISHED PRICE LIST SHALL BE:

☐ Copy of Current Published	Price Schedule.	This is require	d for	submittal	(refer	to	Item	#25,
"Information to Bidders").								
□ CURRENT STATE LICENSE #		(Please attac	h con	v)				

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES
		WATER ANALYSIS		
		Conn. D.P.H. 19-13-B102		
		40 CFR Parts 9,141 and 142		
I. IVIIC	crobiolog	ical Analysis:	T	T
1.	24	Approved EPA method (SM 9221 B) for total coliform and estimation of bacterial density through the MPN procedure. Confirmation and completion to fecal coliform. Enhanced reporting both monthly and Quarterly, raw water reporting.	\$	<u>\$</u>
2.	1500	19-13-B102, (c), (1); (e), (6); (D), (I), (ii), and (7), (J) Approved EPA presence / absence method (SM 9223 B) for total coliform bacteria. Confirmation and completion to E-Coli as required. Weekly distribution, water ready for consumption, 50 per month minimum. 19-13-B102, (e), (6)	\$	\$
3.	100	Standard Plate Count (HPC), method 9215 B, Standard Methods. Weekly distribution, water ready for consumption, as required. 19-13-B102, (j), (3), (iii)	\$	\$
4.	100	Microscopic examination of surface waters, method 10200, Standard Methods. Non reporting, performed weekly during summer months. JUNE- SEPTEMBER	\$	<u>\$</u>
5.	24	Giardia and Cryptosporidium, Raw water and water ready for consumption. Performed to EPA METHOD 1623 method. 40 CFR 141 sub part M Minimum requirements listed, additional tests as needed	\$	\$
6.	10	Micro biological examination of raw and finished water for Rotifers and Copepods. Per Middletown Water Dept. method.	\$	\$
7.	10	MPA Microscopic particulate analysis of raw water. USEPA. 1992. Consensus Method for Determining Groundwater Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis (MPA). U.S. Environmental Protection Agency. EPA 910/9-92-029. October 1992.	\$	\$
SUBT	OTAL: TO	TAL COST PER EACH TEST ITEMS #1-7 INCLUSIVE:	•	
(\$) Written figures				
vviit	ten ngure			
II. Inc	organic Cl	hemical Analysis		

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES
8.	4 runs	Inorganic chemicals, methods on table I. Annual, raw water analysis, 15 elements, CBBWTP influent. 19-13-B102, (c),(3).	<u>\$</u>	<u>\$</u>
9.	4 runs	Inorganic chemicals, methods on table III. Annual, water ready for consumption, 22 elements, CBBWTP, and JSRWTP effluent, Due in 2002 for JSRWTP, waiver every 3 years. 19-13-B102, (e), (2).	\$	\$
10.	4	Nitrate, Nitrite as Nitrogen, methods on table III. Water ready for consumption, CBBWTP, effluent. Quarterly monitoring reduced to annual monitoring. In inorganic run 19-13-B102, (e), (2), and (7), (I)	\$	\$
11.	105	Phosphate, method 4500 P,F, Standard Methods. Water ready for consumption, distribution, weekly, 19-13-B102, (e), (10), (j)	\$	\$
SUBTO	OTAL: TO	TAL COST PER EACH TEST ITEMS #8-11 INCLUSIVE:)	
	en figure	es .		
II. Or	T .	sticides, Herbicides and PCB Chemical Analysis:		I
12.	2 runs	Pesticides, methods on table II. Annual, raw water analysis, 6 compounds, CBBWTP influent. 19-13-B102, (c), (4)	<u>\$</u>	\$
13.	2 runs	Pesticides, Herbicides and PCB, methods on table IV. Annual , water ready for consumption, 43 compounds, CBBWTP and JSRWTP effluent, 1913-B102, (e), (3)	<u>\$</u>	\$
		Total Trihalomethanes, methods on table V. Monthly and Quarterly, water ready for consumption, Wesley and Lawrence Schools, Hunters Crossing, Howard		

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES		
SUBTO	TAL: TO	TAL COST PER EACH TEST ITEMS #12-17 INCLUSIVE:				
		(\$)			
Writt	en figure					
IV. Ra	IV. Radiological Analysis: Annual monitoring reduced to triennial monitoring					
18.	2	Radium 226, Radium 228, 19-13-B102, (e), (5)	\$	\$		
19.	2	Gross Alpha, Gross Beta	\$	\$		
20.	2	Uranium Combined (234,235,238)	\$	\$		
21.	2	Tritium	\$	\$		
22.	2	Strontium 90	\$	\$		
23.	2	Photon Emitters	\$	\$		
24.	2	Radon	\$	\$		
SUBTO	TAL: TO	TAL COST PER EACH TEST ITEMS #18-24 INCLUSIVE:				
		(\$	1			
Writt	en figure	· · · · · · · · · · · · · · · · · · ·	<u></u>			
		d Metal Analysis:				
		Color, method 2120B, Standard Methods.				
25.	16	Turbidity, method2130B, Standard Methods.				
		Quarterly , CBBWTP and JSRWTP, raw water reporting. 19-13-B102, (e), (1),	\$	\$		
		Copper, method, 200.7,.8,.9, EPA. Lead, method,				
		200.8,.9.,EPA. Water ready for consumption, distribution, 60				
26.	30	sample sites, annual monitoring reduced to triennial				
		monitoring. Also in house QA/QC at MWD discretion, no	\$	\$		
		fixed number. 19-13-B102, (e), (2), and (j), (6)				
		Iron, method 3111, 3120, Standard Methods. Manganese, method 3111, 3120, Standard Methods.				
27.	12	Raw water and water ready for consumption.				
		QA/QC, non-reporting	\$	\$		

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES
28.	32	Water Treatment Plant Residual Sludge Analysis, CBBWTP quarterly sample plan, JSRWTP monthly sample plan. CT DEP. 22a-430b. Methods on table VIII Total Settleable Solids Total Suspended Solids Total Aluminum Total Copper Total Manganese Total Zinc Total Iron Total Volatile Organics (as required) PH	\$	\$
SUBTO	TAL: TO	TAL COST PER EACH TEST ITEMS #25-28 INCLUSIVE:		
		(\$		
Writte	n figures			
VI. Un	regulate	ed Contaminant Monitoring Rule 4 (UCMR 4)		
29.	4	UCMR 4 Methods on Table X CBBWTP 2148 Raw Intake Sample Point 1. Ten Cyanotoxin Chemical Contaminants total microcystin microcystin-LA microcystin-LF microcystin-LR microcystin-LY microcystin-RR microcystin-YR Nodularin anatoxin-a cylindrospermopsin	\$	\$
30.	6	UCMR 4 Methods on Table X Point of Entry JSRWTP and CBBWTP 2. Two Metals Germanium Manganese	\$	\$

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES		
31.	6	UCMR 4 Methods on Table X Point of Entry JSRWTP and CBBWTP 3. Eight Pesticides and One Pesticide Manufacturing Byproduct Alpha-hexachlorocyclohexane Chlorpyrifos Dimethipin Ethoprop Oxyfluorfen Profenofos tebuconazole total permethrin (cis- & trans-) Tribufos	\$	<u>\$</u>		
32.	4	UCMR 4 Methods on Table X DBP Distribution Sites (DSMRT) 4. Three Brominated Haloacetic Acid (HAA) Groups4,5 HAA5 HAA6Br HAA9	\$	\$		
33.	6	UCMR 4 Methods on Table X Point of Entry JSRWTP and CBBWTP 5. Three Alcohols 1-butanol 2-methoxyethanol 2-propen-1-ol	\$	<u>\$</u>		
34.	6	UCMR 4 Methods on Table X Point of Entry JSRWTP and CBBWTP 6. Three Other Semivolatile Chemicals butylated –hydroxyanisole o-toluidine Quinoline	\$	<u>\$</u>		
35.	6	UCMR 4 Methods on Table X Point of Entry JSRWTP and CBBWTP 7. Indicators Total Organic Carbon Bromide Temperature pH	\$	<u>\$</u>		
SUBTO	SUBTOTAL: TOTAL COST PER EACH TEST ITEMS #29-35 INCLUSIVE:					
Writte	(\$) Written figures					
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#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES			
VII. En	vironme	ntal Sampling Program					
36.	4	Conn. ETPH (Extractable Total Petroleum Hydrocarbons)	\$	\$			
37.	4	SPLP (Synthetic Precipitate Leaching Procedure, EPA method 1312) Soil Testing	\$	\$			
SUBTO	SUBTOTAL FOR ITEMS #36-37 INCLUSIVE:						
		(\$)				
Writte	en figure	S					
		VIII. WASTE WATER ANALYSIS D.E.P. N.P.D.E.S. PERMIT CT General Statutes 222, 420 Chapter 446K					
		CT General Statutes 22a-430 Chapter 446K Weekly, Final Effluent					
38.	52	(Unit Price inclusive of 3 tests per week) Analyte Method, EPA Biochemical Oxygen Demand 405.1	\$	<u>\$</u>			
		Weekly, Final Effluent - 5 month period – May/October (Unit Price inclusive of 3 tests per week)					
39.	20	Analyte Method, EPA Fecal Coliform SM 9222D	\$	<u>\$</u>			
		Weekly, Final Effluent (Unit Price inclusive of 1 test per week)					
40.	52 52 52 52 52	Analyte Nitrogen, Ammonia as N Nitrate as N Nitrite as N Nitrogen, Total Kjeldahl Nitrogen Method, EPA 350.2,.3,.1 352.1 354.1 Nitrogen, Total Kjeldahl Nitrogen 351.1,.2,.3	\$	<u>\$</u>			
		Weekly, Influent (Unit Price inclusive of 3 tests per week)					
41.	52	Analyte Method, EPA Biochemical Oxygen Demand 405.1	\$	<u>\$</u>			

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES
		Weekly, Primary Effluent		
		(Unit Price inclusive of 1 test per week)		
		Analyte Method, EPA		
42.	52	Biochemical Oxygen Demand 405.1	\$	\$
1	32	biodifermedi Oxygen Bernana 103.1	Ψ	<u>¥</u>
		Monthly, Effluent		
		(Unit Price inclusive of 1 test per month)		
		Analyte Method, EPA		
43.	12	Total Phosphorous 365.2		
	12	Ortho Phosphate 365.1	\$	\$
		Monthly, Influent		
		(Unit Price inclusive of 1 test per week)		
		Analyte Method, EPA		
44.	52	Nitrogen, Ammonia as N 350.2,.3,.1		
	52	Nitrate as N 352.1	\$	<u>\$</u>
	52	Nitrite as N 354.1	J	<u> </u>
	52	Nitrogen, Total Kjeldahl Nitrogen 351.1,.2,.3		
		Monthly, Primary Effluent		
		(Unit Price inclusive of 1 test per month)		
		Analyte Method, EPA		
45	12	Nitrogen, Ammonia as N 350.2,.3,.1		
45.	12	Nitrate as N 352.1		
	12	Nitrite as N 354.1	\$	\$
	12	Nitrogen, Total Kjeldahl Nitrogen 351.1,.2,.3		
	12	Ph 150.1		
	12	Alkalinity		

#	QTY.	DESCRIPTI	ON	UNIT PRICE	EXTENSION FIGURES
		Quarterly, Final Effluent (Prior to (Unit Price inclusive of 1 test per	quarter)		
46.	4	Antimony, Total Aquatic Toxicity Invertebrate*** Aquatic Toxicity Vertebrate *** Arsenic, Total Beryllium, Total Biochemical Oxygen Demand Cadmium, Total Chromium, Hexavalent Chromium, Total Chlorine, Total Residual**** Copper, Total Cyanide, Amenable Cyanide, Amenable Cyanide, Total Lead, Total Mercury, Total Nickel, Total Ammonia, Nitrogen as N Nitrate Nitrogen as N Nitrate Nitrogen as N Phenols Selenium, Total Silver, Total Thallium, Total Total Suspended Solids Zinc, Total ***Aquatic Toxicity, (Daphnia Pule	204.1,.2,200.7 EPA600/490/027F EPA600/490/027F 206.5,.3,.2 210.1,.2,200.7 405.1 200.7,218.1,.2,.3. 218.4 200.7,218.1,.2,.3. 330.1 200.7,218.1,.2,.3. 335.1 335.3, 200.7,218.1,.2,.3 245.1,.2 200.,218.1,.2,.3 350.2,.1,.3 352.1 354.1 420.1,.2 270.2,200.7 272.1,.2,200.7 279.1,.2,200.7 289.1,.2,200.7 ex and Pimephales	\$	<u>\$</u>

#	QTY.	DESCRIPTION		UNIT PRICE	EXTENSION FIGURES
		Bi-Monthly Sludge Toxicity			
		(Unit Price inclusive of 1 test, 6 times	s per year)		
		<u>Analyte</u>	Methods, EPA		
			206.5,.3,.2		
		-	210.1,.2,200.7		
		Cadmium, Total	200.7,218.1,.2,.3.		
		Chromium, Total	200.7,218.1,.2,.3.		
47.	6	Copper, Total	200.7,218.1,.2,.3.		
		Lead, Total	200.7,218.1,.2,.3.	ć	ا م
		Mercury, Total	245.1,.2	\$	\$
		Nickel, Total	200.,218.1,.2,.3.		
		Polychlorinated Biphenyls	608		
		Solids, Fixed	160.3		
		Solids, Total Suspended	160.2		
		Solids, Volatile	160.4		
		Zinc, Total	289.1,.2,200.7		
SUBTO	TAL FOR	R ITEMS #38-47 INCLUSIVE:			
			(\$	<u>)</u>	
Writte	en figure	S			
			& SCREENINGS DISPOSA ve of 1 test per year)	L	
		RCRA 8 Metal TCLP	. , ,		
48.	1	Method EPA 7421			
10.	_	ANNUALLY		\$	\$
		Paint Filter Test		<u> </u>	<u> </u>
49.	1	Method 9095A			
49.	1	ANNUALLY		\$	\$
			whama /FTDU)	3	3
Ε0	1	Extractable Total Petroleum Hydrocal	rbons (ETPH)	ć	\$
50.	1	Method M81000 CT ANUALLY		\$	3
Г1	1	Volatile Organic Compounds (VOC'S)		ć	<u> </u>
51.	1	Method EPA 8021B or 8260 B		\$	\$
		ANNUALY	100(0)		
F 2	1	Semi-Volatile Organic Compounds (S)	VOC S)	ć	ا م
52.	1	Method EPA 8270 C		\$	\$
		ANNUALLY			
F 2	_	Reactivity: Cyanide		_	
53.	1	Method 7.3.3.2		\$	\$

\$

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54.

55.

ANNUALLY

Reactivity: Sulfide

Method 7.3.4.2 ANNUALLY

#	QTY.	DESCRIPTION	UNIT PRICE	EXTENSION FIGURES		
56.	1	Ignitability Method EPA 1030	\$	\$		
SUBTOTAL FOR ITEMS #48-56 INCLUSIVE:						
Written figures (\$)						
Above bid prices are all inclusive of all delivery, <u>pickup</u> , analysis and container costs. It is agreed and understood that the City of Middletown will collect the samples in the containers provided and which shall be made available for pickup by the selected testing facility.						
TOTAL OF ITEMS #1- 56 INCLUSIVE SHALL BE:						
Writte	en figures	(\$)				

Contract Extension: Our pricing shall be held firm at the quoted unit prices herein should the City exercise its right to extend the contract for one additional year.

YES NO

Thank you.		
Date:		
Corporation Name (if applicable)	Company Name	
Mailing Address:	Payment Address (If diffe	rent from mailing addr.):
Address	Address	
City, State and Zip	City, State and Zip	
FEIN NUMBER:		
 -	iability Company	
Corporat	Contact Information	
Contact Name:	Title:	
Additional Contact:	Title:	
Phone Number:	Fax:	
Email Address:		
Website:		
SIGN HERE: I hereby certify that the abo	ove information is correct.	
Print or Type Name & Title	 Signature	 Date

PLEASE NOTE: All of the information below is REQUIRED. Please do not leave any information blank.

WITH EACH PROPOSAL, THE BIDDER SHALL SUBMIT A SIGNED NON-COLLUSIVE STATEMENT ON THE FORM ENCLOSED HERE-IN